

INFORMATION DISCLOSURE CITATION

(Use several sheets if needed)

Docket Number (Optional)

113197

Application Number

Unknown

Applicant(s)

Matsuo et al.

02 Rec'd PCT/PTO 09 MAR 2001

Filing Date

Herewith

Group Art Unit

Unknown

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MPM	A1	5,684,909	11/4/97	Liu			

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
MPM	A2	WO 97/33188	9/12/97	PCT			✓	
	A3	2,229,280	8/12/98	Canada			✓	
	A4	EP 0 859 247 A2	8/19/98	Europe			✓	
	A5	10-246830	9/14/98	Japan				✓
MPM	A6	11-72640	3/16/99	Japan				✓

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

MPM	A7	Bhagavatula, V.A. et al., "Dispersion-shifted single-mode fiber for high-bit-rate and multiwavelength systems," OFC '95 Technical Digest, (1995), pp 259-260.
MPM	A8	Nouchi, P. et al., "New Dispersion Shifted Fiber With Effective Area Larger Than 90 m," 22nd European Conference on Optical Communication, September 15-19, 1996, MoB.3.2, pp1.49-1.52.

EXAMINER

DATE CONSIDERED

7/28/03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PAGE 2 OF 4

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

113197

Application Number

Unknown

Applicant(s)

Matsuo et al.

02 Rec'd PCT/PTO

09 MAR 2001

Filing Date

Herewith

Group Art Unit

Unknown

*EXAMINER
INITIAL

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

D1

Belov, A.V., "Profile structure of single-mode fibers with low nonlinear properties for long-haul communication lines," Optics Communications, 161 (1999) pp 212-216.

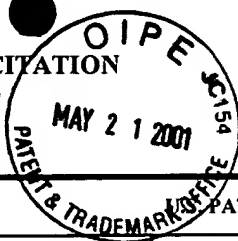
EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



Docket Number (Optional)

113197

Application Number

09/786,855

Applicant(s)

Matsuo, S., et al.

Filing Date

March 9, 2001

Group Art Unit

2874

PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO
10/239550	9-11-98	Japan				
10-293225	11-4-98	Japan				
11-119046	4-30-99	Japan				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY DOCKET NO.

113197

SERIAL NO.

09/786,855

Matsuo, et al.

FILING

March 9, 2001

GROUP

2874

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MPM	5,559,921	9-24-96	Terasawa et al.			
	5,659,649	8-19-97	Nouchi et al.			
	5,675,688	10-7-97	Nouchi et al.			
	5,715,346	2-3-98	Liu			
	5,852,701	12-22-98	Kato et al.			
	5,963,700	10-5-99	Kato et al.			
	6,072,929	6-6-00	Kato et al.			
MPM	6,084,993	7-4-00	Mukasa			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
MPM	1-169410	7-4-89	Japan			
	1-224706	9-7-89	Japan			
	6-11620	1-21-94	Japan			
	0 689 068 A1	12-27-95	Europe			
MPM	8-5855	1-12-96	Japan			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

MPM	Kato, T. et al., "Low nonlinearity dispersion-shifted fibers employing dual-shaped core profile with depressed cladding," OFC '97 Technical Digest, p. 66
MPM	Namihira, Y. et al., "Large Effective Area Dispersion Shifted Fibers with Depressed Cladding for WDM Transmission," APCC/OECC '99 Conference, Oct. 18-22, 1999, pp. 1557-1580

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PAGE 2 OF 6

(Use several sheets if necessary)

113197

09/786,855

Matsuo, et al.

FILING

March 9, 2001

GROUP

2874

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
MAK	EP 0 789 257 A1	8-13-97	Europe				
	9-218318	8-19-97	Japan				
	9-274118	10-21-97	Japan				
	9-281354	10-31-97	Japan				
MAK	9-288220	11-4-97	Japan				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Use several sheets if necessary)

113197

09/786,855

Matsuo, et al.

FILING

March 9, 2001

GROUP

2874

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. PATENT & TRADEMARK OFFICE
JUL 23 2001
PATENT & TRADEMARK OFFICE
S. F.

113197

09/786,855

FILING

March 9, 2001

[illegible]

2874

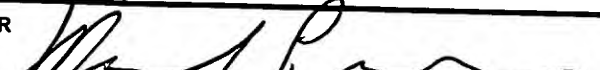
U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

EXHIBIT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
MEM	10-300966	11-13-98	Japan				
	2,246,473	3-10-99	Canada				
	2 768 233	3-12-99	France				
	11-84158	3-10-99	Japan				
MEM	11-119045	4-30-99	Japan				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER		DATE CONSIDERED	
		6/25/02	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

(Use several sheets if necessary)

Docket Number (Optional)

113197

Application Number

09/786,855

Applicant(s)

Matsuo et al.

Filing Date

March 9, 2001

Group Art Unit

2874


U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS							
REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Transmission	
						YES	NO
	2 331 162 A	5-12-99	United Kingdom				
	11-218633	8-10-99	Japan				
	WO 00/31573	6-2-00	PCT				
	2000-221352	8-11-00	Japan				
	WO 00/52507	9-8-00	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		EXAMINER'S COMMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
EXAMINER		DATE CONSIDERED	
		6/25/03	

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.